

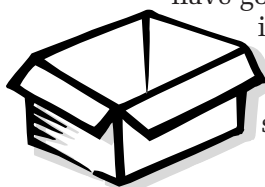
February 2002

# Doing What it Takes to be WasteWise

**F**rom recycling scrap generated during manufacturing to reducing product packaging, the computer and electronics industry has a wealth of waste reduction opportunities. Below is a sampling of the commitments and achievements of WasteWise partners in this industry. These types of activities also can help your company reduce waste and cut costs. For more information or to enroll your company in WasteWise, call **800 EPAWISE (372-9473)** or visit our home page at **[[www.epa.gov/wastewise](http://www.epa.gov/wastewise)]**.

## Waste Prevention

**T**he cornerstone of WasteWise, waste prevention means using less material to do the same job, cutting waste before recycling. Regardless of industry sector, everyone can take advantage of general waste prevention goals, such as double-sided copying, packaging reduction, or switching to reusable supplies. Some WasteWise partners in the computer and electronics industry have gone beyond the basics and implemented activities that target industry-specific waste materials. The following is a sampling of these goals:



- ❖ Reduce size of carton flaps.
- ❖ Increase equipment efficiencies to reduce scrap produced.
- ❖ Use adhesive-backed name plates on finished products rather than metal fasteners.
- ❖ Reuse electrostatic device bags.
- ❖ Save old conductors from multiconductor cable to be used as jumpers in other processes.
- ❖ Recondition reels and trays used as packaging for components.
- ❖ Install a system to reuse scrap plastic parts.
- ❖ Switch to returnable plastic containers for shipments of parts.
- ❖ Recondition and sell components from scrap printed circuit boards.
- ❖ Reduce foam packaging in computer shipments.

## Recycling Collection

**W**asteWise partners commit to initiating, expanding, or improving company programs to collect recyclables. In some cases, companies add new materials to an existing program, or they increase effectiveness through activities such as employee education or community outreach. WasteWise partners in the computer and electronics industry have set these goals:

- ❖ Recycle solder scrap metal.
- ❖ Recycle protective footwear used in clean rooms.
- ❖ Recycle semiconductor wafer packages.
- ❖ Recycle plastic packaging frames.

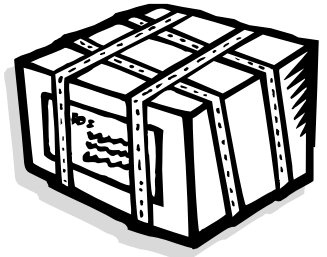


# Buying or Manufacturing Recycled Products

**W**asteWise partners commit to increasing the overall recycled content in the products they purchase. WasteWise partners that are manufacturers can either increase the percentage of postconsumer content in the products they make or increase the

recycled content in the products they purchase. Buy-recycled activities of WasteWise partners in the computer and electronics industry include:

- ❖ Replace corrugated corner pads with products made from recycled newspapers and magazines.
- ❖ Evaluate the use of recycled materials for tub blocks and motor sheets.
- ❖ Use postconsumer PVC for product packaging.



## WasteWise Partners in the Computer and Electronics Industry

Acxiom Data Quick Products Group	ESCOD Industries, Inc.	Modular Systems Installations, Inc (MSI)	SGS-Thomson Microelectronics
Advanced Micro Devices, Inc.	Frigidaire Company - Freezer Products	Motorola, Inc.	Sharp Electronics Corp.
Advantage Laser Products	General Dynamics	MPD Inc.	Sharp Manufacturing Company of America
Airpax Corporation	General Instrument Corporation	Myriad Development	Siemens Building Technologies
AllFax - Environmental Division	Goulds Pumps, Inc.	NCR Corporation	Signet Scientific Co.
AMP, Incorporated	GreenDisk, Inc.	NEC Electronics	Soletron Massachusetts Corp.
Back Thru the Future	Harmon Industries, Inc.	New Life Toner, Inc.	Southeastern Computer Recycling Corp.
Microcomputers, Inc.	Hewlett-Packard Company	OECO Corp.	Standard Register Equipment Plant
Boeing North American, Inc.	Hostwork International	Opti Color	Stewart Connector Systems, Inc.
Brother International Corporation	Image Projections West	Panasonic Disc Services Corporation	Sun Microsystems, Inc.
Business Environmental Network (BEN)	Infineon Technologies Richmond	Panasonic Logistics Company of America	Supernatural Production, Inc.
Circuits Engineering	Intermag Inc.	Philips Semiconductors	TDK Electronics Corp.
Cisco Systems, Inc.	International Game Technology (IGT)	Philips Semiconductors - CA	Telogy, Inc.
Compaq Computer Corp.	Internet Central	Photikon Corporation	Texas Instruments, Inc.
Contec	Krone Digital Communications	Pioneer Electronics Technology, Inc.	The Aerovox Group
Danka Environmental Business Solutions	Laser Save	Pitney Bowes Inc.	The Laser Link, Inc.
Data General Corp.	Laser Wolf	Plan It ROI	The West Bend Company
Dataline Computer Services, Inc.	LSI Logic Corp.	R.E.M. Industries, Inc.	Thomson Consumer Electronics
Dell Computer Corporation	LTS Micro	Raytheon E-Systems	Tingstol Company
DMC Electronics Recycling Co.	Marconi Data Systems	Retro Box Ltd.	Truck-Lite Company, Inc.- Falconer Facility
Dominion Semiconductor, LLC	Matsushita Electric Corp. of America	Ricoh Corporation	Truck-Lite Company, Inc. - Wellsboro Facility
Electronics Industries Alliance	Matsushita Electric Motor Corp. of America	Ricoh Electronics, Inc.	Ultratech Stepper
EMC	Maytag Corp.	Rockwell Collins, Inc.	UNISYS Corp.
Enviro Solutions	MEMC Southwest, Inc.	Seagate Technology, Inc.	Westex Document Destruction, Inc.
Enviro-Pro	Mitsubishi Electric America, Inc.	Sentinel Imaging	
		SGI	

## Sample Partner Achievements

- ❖ **Matsushita Electric Corp. of America (Panasonic)** sponsored a computer and electronic recycling study in Minnesota to characterize product ages, brand names, types, weights, and composition for future recycling projects. In 2001, Panasonic partnered with Asset Recovery Corporation, Enviro-Recycle, and Best Buy to conduct recycling collection events for computer and electronic equipment at dozens of locations.
- ❖ **Hostwork International** prevented paper waste by switching to an electronic billing system, substituting electronic contracts for printed ones, using scratch paper for note taking, and replacing letter sized brochures with small flyers with a link to the company Web site.
- ❖ **Maytag Jefferson City Component Parts** improved manufacturing techniques to reuse the amount of scrap material thrown away.